Title (en)

RADIO PACKET COMMUNICATION METHOD AND RADIO PACKET COMMUNICATION DEVICE

Title (de)

FUNKPAKETKOMMUNIKATIONSVERFAHREN UND FUNKPAKETKOMMUNIKATIONSEINRICHTUNG

Title (fr)

PROCEDE DE RADIOCOMMUNICATION PAR PAQUETS ET DISPOSITIF DE RADIOCOMMUNICATION PAR PAQUETS

Publication

EP 1646184 A4 20101201 (EN)

Application

EP 04747771 A 20040714

Priority

- JP 2004010355 W 20040714
- JP 2003196301 A 20030714
- JP 2003341315 A 20030930
- JP 2003341316 A 20030930
- JP 2004084302 A 20040323
- JP 2004146345 A 20040517

Abstract (en)

[origin: EP1646184A1] A transmit-side STA transmits a wireless packet using a wireless channel which has been determined to be idle by both a physical carrier sense for determining based on received power whether the wireless channel is busy or idle and a virtual carrier sense for determining the wireless channel to be busy during set transmission inhibition time. At this time, the transmit-side STA sets transmission time used for the virtual carrier sense to a paired wireless channel which is affected by leakage from a transmitting wireless channel. This allows for setting transmission inhibition time to a paired wireless channel even when the paired wireless channel cannot successfully receive due to the effect caused by leakage from the transmitting wireless channel.

IPC 8 full level

H04B 7/24 (2006.01); **H04L 12/28** (2006.01); **H04L 29/00** (2006.01); **H04W 74/08** (2009.01); H04W 36/16 (2009.01)

CPC (source: EP KR US)

H04W 74/08 (2013.01 - KR); **H04W 74/0816** (2013.01 - EP US); H04W 36/16 (2013.01 - EP US)

Citation (search report)

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- [X] JUN YANG ET AL: "A novel multiple access protocol for mobile ad hoc networks with smart antennas", VTC 2003-SPRING. THE 57TH. IEEE SEMIANNUAL VEHICULAR TECHNOLOGY CONFERENCE. PROCEEDINGS. JEJU, KOREA, APRIL 22 - 25, 2003; [IEEE VEHICULAR TECHNOLGY CONFERENCE], NEW YORK, NY : IEEE, US LNKD- DOI:10.1109/VETECS.2003.1207127, vol. 3, 22 April 2003 (2003-04-22), pages 1768 - 1772, XP010862419, ISBN: 978-0-7803-7757-8
- [A] "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications Amendment 4: Further Higher Data Rate Extension in the 2.4 GHz Band", IEEE STD 802.11G, XX, XX, 12 June 2003 (2003-06-12), XP002325244
- See references of WO 2005006660A1

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EP 1646184 A1 20060412; **EP 1646184 A4 20101201**; **EP 1646184 B1 20130529**; CA 2518741 A1 20050120; CA 2518741 C 20100601; EP 2584738 A1 20130424; EP 2584738 B1 20141022; EP 2584739 A1 20130424; EP 2584739 B1 20141015; JP 4054039 B2 20080227; JP WO2005006660 A1 20060831; KR 100695601 B1 20070314; KR 20060015502 A 20060217; US 2007019592 A1 20070125; US 7545781 B2 20090609; WO 2005006660 A1 20050120

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